

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Shouquan Huo, et al

ORGANIC ELEMENT FOR ELECTROLUMINESCENT DEVICES

Serial No. 10/729,238

Filed 05 December 2003

Commissioner for Patents P.O. Box 1450 Alexandria, VA. 22313-1450

Sir:

Group Art Unit: 1774

Examiner: Dawn L. Garrett

I hereby certify that this correspondence is being deposited today with the United States Postal Service as first class mail in an envelope addressed to Commissioner For Patents, F.O. Box 1450,

Didra L. mack

June 14, 2005

DECLARATION PURSUANT TO 37 C.F.R. 1.131

The undersigned, Shouquan Huo, states that:

he is a co-inventor of the claimed subject matter of the above-referenced patent application, hereinafter referred to as "the invention";

he has read and is familiar with the cited reference, Williams et al., <u>INORGANIC CHEMISTRY</u>, (2003), Vol. 42, pages 8609-8611, and, according to the first page of the article, it was "Published on the Web" on 11/20/2003;

on or prior to November 20, 2003, and at the time the invention occurred, he was an employee of the Eastman Kodak Company in Rochester, New York, assigned to conduct research in the area of light emitting OLED devices.

on or prior to November 20, 2003, the undersigned and his coinventors conceived and actually reduced to practice the invention at the above mentioned Kodak facility in the United States;

this is demonstrated by the submission of contemporaneous records dated on or before November 20, 2003 relating to the preparation of compounds and evaluation of those compounds as light emitting compounds including the following:

pages 4, 19, 27, and 29 describes the making of the compound corresponding to Inv-1 (same as L¹ in Williams);

pages 32 describes an OLED device prepared using compound Inv-1 and shows the high luminance efficiency obtained with emitter Inv-1;

pages 43 and 44 describe the preparation of variants of Inv-1 with different anionic groups and transition metals;

each of these pages was witnessed as read and understood on or prior to November 20, 2003; and

it is believed that compounds L^2 and L^3 are obvious variants of L^1 and within the generic invention suggested by the discovery of Inv-1.

The undersigned declares further that all statements made herein of his own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: _	6/14/05	Shong the	
		Shouguan Huo	

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In a three-necked flask (dried under Nr.) work charged Th	HF (IDML),
1, 7 - dibnomobenzene (1.4 ml, 10 mm ol), and Pd(ph1)4 (0.51g, 0.44 mm)	1) under N. To
the mixture was added 48 ml (O.SM. 24 mmol) of 2-pyridyspine bros	mide vi- a springe
at room temperture. The resultand brown dark-brown was stirred as vernight. After usual work up and acidic-platraction. The	room to superation
vernight Aller usual work up and acidis- platraction of.	- I molect iles
wifed by whome on silica get wing other: 40Ac = 5:	chiae product was
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Signature Shong Gus The foregoing disclosed to me or Witness Ronald E. J	9
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•	RESEARC	H / DEVELOPM	MENT Notebook No. CC0465		
	EASTM	AN KODAK COMPANY	Date		
Problem:		7- tel			
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The foregoing disclosed to	me on_	Witness R &	rold E. Ieor	هـ	

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EASTMAN KODAK COMPANY 0.46g (crude) All materials were combined in a flask. The mixture was stined as from terperature under No dis the alsence of light (protect for light was With aluminum for). 3:35 pm - overnight Starting material still remained 20 mg Con I was added and storing as v. 1 overinght. SM Still remained. Column separation gave 0.12g of LPtI and 0.15g of LPtCl. In another run, 0.2g of LPt-CO NOS stirred with 0.29 of CuI in CHEL - Etzn (50,-10 ml) for 20 l, ready complete I-cl 1./2./2.1 preparati- of (NEN) Ft I tridentate complex exchange took place. 3:15 pm -> 8:0 am 11/28/2003 Cul + Chac + Et, N KANOS-6245-1 The minner was transferred into a one-nicked flash. Solvens were removed by rotary evaportion and the residue was treated with while . Flash chromatyrigh, on silice get with ether as elent first to cillent Pt-I. Then with cha: SMODE = 10:1 as elent to collecte. Pt-cl (starting material) [Note: the reaction should be keept for longer time for completion]. 0.11g of itenting make ich was reservered. PI-I was combined with those from the run life, 0.35 g inche. Sullimo at 250- 260'C give 0.25 g pure sample for NMR, UV; Em, and device for cation. 12/9/03 Submitted for device feebre cation. Hort: CBP, Holeblack: BEP; Hole transport: NPB : ETL: Alg Shoug

The foregoing disclosed to me on

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